



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

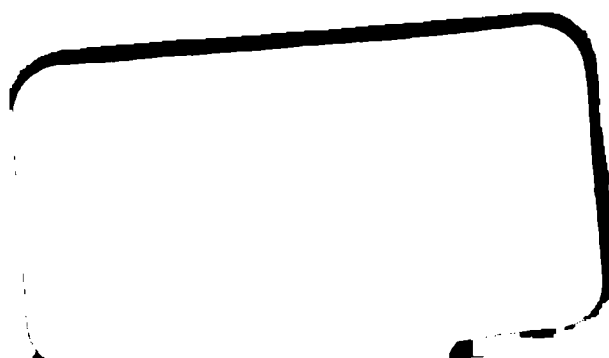
Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



600026958-

19119 c $\frac{24}{4-5}$

19119 d $\frac{e \cdot 45}{4,5}$



ILLUSTRATIONS
OF
BRITISH FUNGI.

ILLUSTRATIONS
OF
BRITISH FUNGI
(HYMENOMYCETES),

To serve as an Atlas to the "Handbook of British Fungi."

BY

M. C. COOKE, M.A., LL.D., A.L.S.,

President of the Quekett Microscopical Club, and of the Hackney Natural History and Microscopical Society. Fellow of the Botanical Society of Edinburgh. Corresponding Member of the Academy of Natural Sciences, Philadelphia; of the Academy of Science of New York; of the Portland Society of Natural History, Maine; and of the Società Crittogamologica Italiana. Honorary Member of the Cryptogamic Society of Scotland; the Woolhope Field Club; the Hertfordshire Natural History Society; the Norfolk and Norwich Naturalists' Society; the Essex Field Club; the Birmingham Natural History Society; and other Societies.

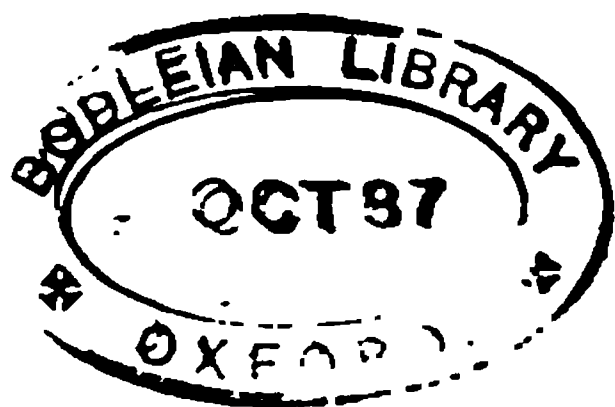
VOL. IV.

London :

WILLIAMS AND NORGATE, HENRIETTA STREET, W.C.

1884-1886.

1212. 5 2.



AGARICUS (CLITOPILUS) CANCRINUS. Fries.
grassy places. (A) Forthworth, Gloucester, (B) Deerfold Forest.

AGARICUS (PHOLIOTA) CRUENTATUS. *Cooke & Smith.*
on oak stump, and burnt ground. *Aug. 1872.*

AGARICUS. (PHOLIOTA) MYCENOIDES. *Fries.*
amongst moss, in swamps, &c.

AGARICUS (INOCYBE) SCHISTUS. *Cooke & Smith.*
on lawn Shrewsbury. *May, 1871.*

AGARICUS (*INOCYBE*) MARGARITISPORÆ. *Berk.*
on the ground. *Coed. Coch.* Oct. 1876.

AGARICUS (HEBELOMA) SUBCOLLARIATUS. B. & Br. (variety).
grassy roadsides after rain. Stoke Newington. May, 1871.

AGARICUS (*HEBELOMA*) CRUSTULINIFORMIS. *Bull.*
on the ground. Alresford, Hants. Sept. 1878.

AGARICUS (NEBELOMA) PETIGINOSUS. *Fries.*
amongst grass. Near Hereford. Oct. 1879.

AGARICUS (*MAUCORIA*) RUBRICATUS. *B & Br.*
on bramble. Hereford. 1879.

AGARICUS (*NAUCORIA*) PORRIGINOSUS. *Fries*
amongst rubbish, &c. Woodnewton. Oct. 1868.

AGARICUS (NAUCORIA) SOBRIUS. *Fries.*
on the ground, under bushes. *Sept. 1883.*

AGARICUS (NAUCORIA) ESCHAROIDES. *Fries.*
in moist woods. Apethorpe. Sept.

•

•

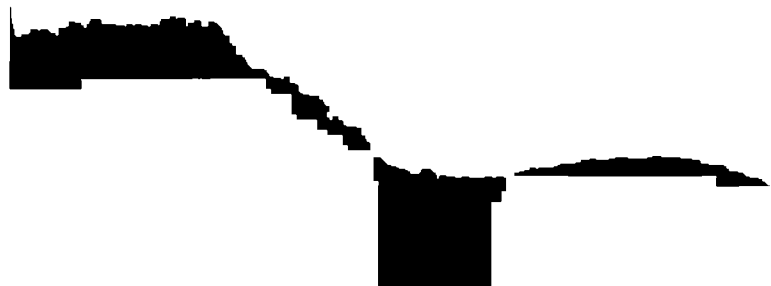


7

AGARICUS (NAUCORIA) GRAMINICOLA. *Nest.*
on straw, grass, twigs, &c. Weybridge.

1

AGARICUS (*TUBARIA*) AUTOCHTHONUS. *B. & Br.*
amongst grass, Shobden.



DERMINI.

PL. 515.

AGARICUS (CREPIDOTUS) PEZIZOIDES. *Nees.*
on rotten wood. *Warwickshire.*

AGARICUS (PLUTEUS) EPHEBIUS. *Fries.*
on rotten wood. *Holmsley, Yorks.*

AGARICUS (PLUTEUS) VIOLARIUS. *Masses.*
on rotten wood. Scarborough, Yorks.

AGARICUS (*INOCYBE*) PERBREVIS. *Weinm.*
in woods. *Near Scarboro', Yorks.*

1

AGARICUS (INOCYBE) RENNYI. B. & Br.
in woods. Dinedor Fir Wood. Nov. 1874.

1

1

1

.

,

AGARICUS (PSALLIOTA) AUGUSTUS. *Fries.*
in an orchard. *Staplehurst, Kent. Aug. 1869.*

AGARICUS (PSALLIOTA) ELVENSIS. *Berk & Br.*
under oaks. Neasden. Sept. 1881.

AGARICUS (PSALLIOTA) ARVENSIS. *Schæff.*
in damp marshes. *Northamptonshire.*

1

.

.

.

...

.

.

.

.

.

.

.

.

.

.





AGARICUS (PSALLIOTA) PRATENSIS. Schaef.
amongst grass. Pulborough, Sussex. Oct. 1874.

AGARICUS (PSALLIOTA) CAMPESTRIS. *Imm.*
in parks and pastures. Everywhere.

AGARICUS (PSALLIOTA) CAMPESTRIS. *Linn.* var. HORTENSIS.
cultivated variety.

AGARICUS (*PSALLIOTA*) CAMPESTRIS. *Link.* (VARIETIES)
A. Pensance. B. Mattishall, Norfolk.

AGARICUS (PSALLIOTA) CAMPESTRIS. *Linn.* var. SYLVICOLA. *Vill.*
in woods, Bishop's Wood, Hampstead. Aug. 1865.



PRATELLI.

A. Pleasure Grounds, Esw. B. Palborough, Sussex.

AGARICUS (PSALLIOTA) SYLVATICUS. Schaef.
A. Pleasure Grounds, Kew. B. Pulborough, Sussex.

under trees. near Hereford. Oct. 1881.

1

1

.

1

1

.

PRATELLI.

unmown grass. *Pleasure Grounds, Kew.* Sept. 1864. (VARIETY)

HERNANDIA (PROSTRATA) CUMULUS. 2182.
amongst grass. Kew Gardens. Sept. 1882.

amongst grass. *Near Hereford.* *Sept. 1883.*

AGARICUS (STROPHARIA) CORONILLUS *Bull.*
(A) Coventry. Sept. 1884. (B) Penzance. Sept. 1882.

AGARICUS (STROPHARIA) MELASPERMUS. *Bull.*
amongst grass. Lyndhurst. Sept. 1862.

AGARICUS 14117
on dung. *Fordingbridge and Sibbertoft.* 1881.

AGARICUS (STROPHARIA) SEMI-GLOBATUS. *Batsch.*
on dung. *Chingford. Sept. 1882.*

AGARICUS (STROPHARIA) CAPUT-MEDUSÆ. *Fries.*
at the base of trunks. Glamis. Sept. 1883.

AGARICUS (STROPHARIA) JERDONI. D. G. M.
on chips. Mossburnford. Nov. 1860.

on stumps. Loughton. Sept. 1892.

AGARICUS (HYPHOLOMA) STURER. *Fr.*, *on beech stump.* Lyndhurst, New Forest. Oct. 1883.

in grassy places. Margate, etc.

AGARICUS DIFFUSUS /
on soil in conservatories. *Highgate.* 1862.

AGARICUS (*HYPHOLOMA*) CANDOLLEANUS. *Fries.*
in grassy places. Nearden. Sept. 1882.

AGARICUS (HYPHOLOMA) APPENDICULATUS. *Bull.*
on buried stumps. Chingford. Oct. 1888.

AGARICUS (HYPHOLOMA) LEUCOTEPHRUS. B. & Br.
at base of stumps. Batheaston. Sept. 21, 1884.



AGARICUS (LEPTONIA) LAZULINUS. Fries.
grassy places in woods. Ced Cook.

AGARICUS (STROPHARIA) PERCEVALI. B. & Br.
on sawdust. Northumberland. Oct. 1878.

AGARICUS (STROPHARIA) ÆRUGINOSUS. *Curtis.*
amongst dead leaves. Queen's Cottage, Kew. Nov. 1880.

AGARICUS (*STROPHARIA*) ALBO-CYANEUS. *Derm.*
(A) *Hampstead.* Oct. 1863. (B) *Castle Rising Heath.* Oct. 1883.

AGARICUS (STROPHARIA) THRAUSTUS. *Kalch.*
in open places. *Arboretum, Kmo. Nov. 1880.*

•

•

•

•

•

•

•

•

•
•
•

AGARICUS (*STROPHARIA*) THRAUSTUS var. AURANTIACUS.
on the ground. Tunnel Wood, Watford. Oct. 1888.

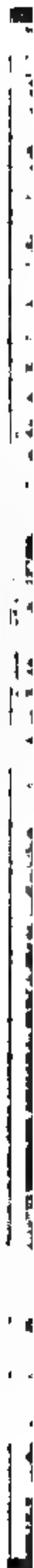
AGARICUS (HYPHOLOMA) SUBLATERITIUS. *Schæff.*
on stumps. Chingford. Nov. 1869.

PRATELLI.

on trunks. *Pratelli*, *Schaff.* var. *SQUAMOSUS*.
Tunnel Wood, Watford. Oct. 1893.

AGARICUS (HYPHOLOMA) CAPNOIDES. *Fries.*
on stumps. Arboretum, Kew. Nov. 1880.

AGARICUS (HYPHOLOMA) FASCICULARIS. *Hudson.*
on stumps. Epping Forest. Oct. 1880.



AGARICUS (HYPHOLOMA) FASCICULARIS. *Fries, var. ELÆODES. Bull.*
on stumps, Stoke Pogis.

AGARICUS (HYPHOLOMA) VELUTINUS. *Fries.*
amongst grass. Neasden, Middlesex. Sept. 1882.

AGARICUS (HYPHOLOMA) PYRRHOTRICHUS. *Fries.*
on the ground. Dinmore, Sept. 1884.

AGARICUS (PLUTEUS) CERVINUS. *Fries. var. PATRICIUS. Schulz.*
on dead logs. Near Coventry. July, 1885.

AGARICUS (HYMNOMYCE) LACRYMABUNDUS. Frise.
on naked ground. Cuckoo Pits, Epping Forest. Oct. 1888.

AGARICUS (PSILOCYBE) SARCOCEPHALUS. *Fries.*
in woods. Leigh Wood, Bristol.

AGARICUS (PSILOCYBE) ERICÆUS. *Pers.*
in swampy places. Barnes Common. Sept. 1882.

•

AGARICUS (PSILOCYBE) UOUS. Persoon.
amongst Sphagnum. Epping Forest. - Nov. 1880.

1

AGARICUS (PSILOCYBE) ATRO-RUFUS. *Schaff.*
amongst grass. Near Birmingham. Dec. 1884.

AGARICUS (*PSILOCYBE*) SEMI-LANCEATUS. *Fries.*
amongst grass, in pastures, &c. Manchester. Oct. 1876.



AGARICUS (*PSILOCYBE*) SEMI-LANCEATUS. *Fries.*
amongst grass, in pastures, &c. Manchester. Oct. 1876.

AGARICUS (PSILOCYBE) SEMI-LANCEATUS. *Fries, var. CERULESCENS.*
in pastures. Neighbourhood of London. Sept. 1890.

AGARICUS (*PSILOCYBE*) CERNUUS. *Fr. Don.*
amongst chips, dead leaves, &c. King's Cliffe. 1888.

PRATELLI.

in gardens, &c. *Sibbertoft.* *Sept. 1883.*

AGARICUS (PSILOCYBE) CORRUGIS. *Fries.*
amongst leaves, &c. *Sibbertoft. Sept. 1884.*

AGARICUS (PSATHYRA) SEMI-VESTITUS. B. & Br.
on rubbish heaps. Kew Gardens, Oct. 1888.

.

.

.

.

.

.

.



AGARICUS (PEATHYIA) HELOBIVS. *Kelca.*
in moist pine woods. Coed Cech. Sept. 1884.

AGARICUS (*PSATHYRA*) PENNATUS. *Fries.*
on scorched ground. Near Bristol.

ILLUSTRATIONS
OF
BRITISH FUNGI.

ILLUSTRATIONS
OF
BRITISH FUNGI
(HYMENOMYCETES),

To serve as an Atlas to the Handbook of "British Fungi."

BY
M. C. COOKE, M.A., LL.D., A.L.S.,

Late President of the Quekett Microscopical Club. President of the Hackney Natural History and Microscopical Society. Fellow of the Botanical Society of Edinburgh. Corresponding Member of the Academy of Natural Sciences, Philadelphia; of the Academy of Science of New York; of the Portland Society of Natural History, Maine, and of the Società Crittogamologica Italiana. Honorary Member of the Cryptogamic Society of Scotland; the Woolhope Field Club; the Hertfordshire Natural History Society; the Norfolk and Norwich Naturalists' Society; the Essex Field Club; and other Societies.

VOL. V.

London :

WILLIAMS AND NORGATE, HENRIETTA STREET, W.C.

1886-1888.

AGARICUS (ENTOLOMA) LIQUESCENS. Cooke.
on the ground, under trees. Scarboro'. April, 1854.

AGARICUS (INOCYBE) LACERUS. Fries.
by the side of paths. Epping Forest.

AGARICUS (PSALLIOTA) ARVENSIS. *Schf. var. PURPURASCENS.*
on the ground. Deerfold Forest. Sept., 1860.

AGARICUS (PSALLIOTA) CAMPESTRIS. *Lix. var. VILLATICUS. Broad.*
on the ground. Northamptonshire.



.



AGARICUS (HYPHOLOMA) PUNCTULATUS. *Reich.*
on sandw. Cook Cook. 1862.

AGARICUS (PSILOCYBE) SUB-ERICÆUS. *Fries.*
on the ground. Kew Gardens. June, 1888.

1

1

1

1

■

•



AGARICUS (PSILOCYBE) HEDES. *Fries.*
in beech woods. *Hothorp.*

AGARICUS (*PSATHYRA*) GLAREOSUS. *Berk.*
on gravelly soil. Sjöb. & Sjöb.

ASARIOUS (PSATHYRA) CORRUGIS. Fr. var. VINOSUS. Corda.
amongst grass. Kew Gardens. Sept., 1880.

AGARICUS (PSATHYRA) OBTUSATUS. *Fries.*
on oak trunks, or on the ground. *King's Cliffs.*

AGARICUS (PSATHYRA) OBTUSATUS. *Fries.*
on oak trunks, or on the ground. *King's Cliffs.*

AGARICUS (PSATHYRA) BIFRONS. B. & Br.
A. *Typical form.* B. var. SEMITINCTUS. Phillips.
amongst chips.

—



AGARICUS (PSATHYRA) FIBRILLOSUM. Fries.
in damp woods.

AGARICUS (PSATHYRA) URTICÆCOLA. *B. & Br.*
on roots of nettle. *King's Cliffe.*

.

.

.

.

.

AGARICUS (PLUTEUS) PELLITUS. Pers.
in open pastures. Scarborough. Sept., 1885.

AGARICUS (PLUTEUS) ROSEO-ALBUS. Fries.
on elm trunk. Burghill Court. Sept., 22, 1885.



•

•

•

•

•

•

•

•

|

AGARICUS (CLITOPILUS) STILBOCEPHALUS. *Berk.* (VARIETY.)
on the ground. *Staplehurst, Kent.* Oct., 1868.

AGARICUS (PHOLIOTA) COMOSUS. *Fries.*
on beech stumps. *Hainault Forest.*



AGARICUS (NAUCORIA) HORIZONTALIS. Bull.
on bark of trees, chiefly elm. Burghley Park.

ABARICUS (VODNIA) COPULARIS. SEM. (VARIETY.)
amongst grass. Dissem. Sept., 1884.



AGARICUS (HYPHOLOMA) HYDROPHILUS. *Bell.*
at base of trunks. Near Dover. Oct., 1848.

AGARICUS (PSILOCYBE) AMMOPHILUS. *Mont.*
amongst sand. St. Andrews. NB.



AGARICUS (*PSATHYRA*) SPADICEO-GRISEUS. *Schaff.*
on trunks, or on the ground. *Northamptonshire.*

AGARICUS (PSATHYRA) NOLI-TANGERE. *Fries.*
amongst chips. Sibbertoft.

AGARICUS (EGGILIA) ACUS. Smith.
on cocoa nut fibre. Ken Gardens. 1873.

AGARICUS (PHOLLOTA) EQUARROSUS var. VERRUCULOSUS. *Lecan.*
on Trunks. *Fairmead, Epping Forest. Oct., 1885.*

AGARICUS (FLAMMULA) HYBRIDUS. *Fries.*
on mossy stumps. *Scarboro.* 1884.

.

.



•

•

•

•

AGARICUS (NAUCORIA) TENAX. *Fries.*
Ozed Coch. Oct., 1879.

AGARICUS (STROPHARIA) HYPBIPUS. *Fries.*
on ground amongst moss. *Forest Hill.* *Oct., 1885.*



AGARICUS (PSILOCYBE) SARCOCEPHALUS. Fr.
at base of trunks. Crackley Wood, Kenilworth. Sept., 1885.

AGARICUS (HYPHOLOMA) CANOFACIENS Cooke.
on rotten straw. Stoke Newington. May, 1887.

AGARICUS (PSILOCYBE) AGRARIUS. *Fries.*
on the ground. Shrewsbury. Aug., 1883.

SYSTEMATIC INDEX.

GENUS I. **AGARIOUS**, *Linn.* (continued).

Sect. B. *Hyporhodii*. Spores pink or salmon coloured.

Sub-Genus 1. Volvaria, Fr. Universal veil free, persistent, distinct from the cuticle of the pileus. Hymenophore distinct from the stem. Gills rounded behind, free, ventricose.

* Pileus dry, silky or fibrillose.

293.	<i>A. bombycinus, Schæff.</i>	.	.	293
294.	<i>A. volvaceus, Bull.</i>	.	.	294
295.	<i>A. Loveianus, Berk.</i>	.	.	295
296.	<i>A. Taylori, Berk.</i>	.	.	296

** Pileus more or less viscid, smooth.

297.	<i>A. speciosus, Fr.</i>	.	.	297
298.	<i>A. gloiocephalus, D.C.</i>	.	.	298
299.	<i>A. medius, Schum.</i>	.	.	299
300.	{ <i>A. parvulus, Weinm.</i>	.	.	300b
	{ <i>A. temperatus, Berk.</i>	.	.	300a

Sub-Gen. 2. Annularia, Schulz. Annulate, but destitute of a volva. Gills free; hymenophore distinct from the stem.

(No British species known.).

Sub-Gen. 3. Pluteus, Fr. Destitute of volva and ring. Hymenophore distinct from the stem. Gills rounded behind, free (never emarginate) at first cohering, white then flesh coloured (except two or three species which are tinted with yellow).

* Cuticle of the pileus breaking up into fibrils or flocci.

301.	<i>A. cervinus, Schæff.</i>	.	.	301
302.	" " var. <i>patricius, Schulz.</i>	.	.	565
303.	" " var. <i>eximius, Sm.</i>	.	.	302
304.	" " var. <i>Bullii, Berk.</i>	.	.	357
305.	" " var. <i>petasatus, Fr.</i>	.	.	303
306.	{ <i>A. umbrosus, Pers.</i>	.	.	304a
	{ <i>A. hispidulus, Fr.</i>	.	.	304b
307.	<i>A. ephebius, Fr.</i>	.	.	517
308.	<i>A. pellitus, Pers.</i>	.	.	597

•• Pileus frosted with atoms, somewhat powdery.

309. *A. nanus*, *Pers.* . . . 305
 310. *A. spilopus*, *B. & Br.* . . . 325
 311a. *A. semi-bulbosus*, *Lasch.* . . . 518a

•• Pileus naked, smooth.

- 311b. *A. violarius*, *Massee* . . . 518b
 312. *A. roseo-albus*, *Fr.* . . . 598
 313. *A. leoninus*, *Schaff.* . . . 421
 314. *A. chrysophæus*, *Shaff.* . . . 309
 315. { *A. phlebophorus*, *Dittm.* . . . 422a
 " " var. *reticulatus*, *Cke.* 422b

Sub-Gen. A. Entolema, *Fr.* Without a distinct veil.
 Stem fleshy or firrus, soft, sometimes waxy. Pileus
 rather fleshy, margin incurved. Hymenophore continuous
 with the stem: gills sinuately adnexed behind or seced-
 ing.

• **GENUS.** Pileus smooth, moist or viscid.

316. *A. sinuatus*, *Fr.* . . . 310
 317. *A. lividus*, *Bull.* . . . 311
 318. " " var. *roseus* . . . 469
 319. *A. prunuloides*, *Fr.* . . . 312
 320. *A. repandus*, *Bull.* . . . 313
 321. *A. placenta*, *Batsch.* . . . 314
 322. *A. belodes*, *Fries* . . . 339
 323. " " variety . . . 373
 324. *A. bulbigenus*, *B. & Br.* . . . 315
 325. *A. Batschianus*, *Fr.* . . . 326
 326. *A. Bixami*, *Berk.* . . . 327
 327. *A. ardosiacus*, *Bull.* . . . 328
 328. *A. liquescens*, *Cooke* . . . 581
 329. *A. ameides*, *B. & Br.* . . . 341
 330. *A. frumentaceus*, *B. & Br.* . . . 470

•• **LEPTOXIPHI.** Pileus flocculose, rather squamose,
 abscitely dry, not hygrophanous.

331. *A. Saundersii*, *Fr.* . . . 306
 332. *A. fertilis*, *Berk.* . . . 316
 333. *A. jubatus*, *Fr.* . . . 317
 334. { *A. resutus*, *Fr.* . . . 318a
 A. griseo-cyanus, *Fr.* . . . 318b
 335. *A. sericellus*, *Fr.* . . . 307
 336. *A. Thomsoni*, *B. & Br.* . . . 374

••• **NOLANIPHI.** Pileus thin, hygrophanous, rather
 silky when dry. Often deformed.

337. *A. clypeatus*, *Linna.* . . . 319

338.	<i>A. rhodopolius, Fr.</i>	.	.	342
—	<i>A. majalis, Fr.</i>	.	.	(doubtful)
339.	<i>A. Wynnei, B. & Br.</i>	.	.	329
340.	{ <i>A. costatus, Fr.</i>	.	.	320a
	{ <i>A. sericeus, Bull.</i>	.	.	320b
341.	<i>A. nidorosus, Fr.</i>	.	.	321
342.	<i>A. speculum, Fr.</i>	.	.	308

Sub-Gen. 5. Olitopilus, Fr. Stem fleshy or fibrous, expanded upwards into the pileus, the margin of which is at first involute. Hymenophore continuous with the stem; gills equally attenuated behind, and somewhat decurrent, not seceding or sinuate.

* ORCELLI. Gills very decurrent. Pileus irregular, somewhat excentric, flexuous, scarcely hygrophanous, margin at first flocculose.

343.	<i>A. prunulus, Scop.</i>	.	.	322
344.	<i>A. orcella, Bull.</i>	.	.	323
345.	{ <i>A. mundulus, Lasch.</i>	.	.	375a
	{ <i>A. cretatus, B & Br.</i>	.	.	375b
346.	<i>A. popinalis, Fr.</i>	.	.	485
347.	<i>A. undatus, Fr.</i>	.	.	486
348.	<i>A. cancrinus, Fr.</i>	.	.	501

** SERICELLI. Pileus regular, silky, or hygrophanous, becoming silky, margin involute, naked. Gills adnate, slightly decurrent.

349.	<i>A. stilbocephalus, Berk.</i>	.	.	324
350.	„ „ variety	.	.	599b
349b.	<i>A. carneo-albus, With.</i>	.	.	324a
351.	<i>A. vilis, Fr.</i>	.	.	487

Sub-Gen. 6. Leptonia, Fr. Stem cartilaginous, tubular (the tube stuffed or hollow), polished, rather shining. Pileus thin, umbilicate, or with the disc darker, cuticle fibrillose or breaking up into darker scales, margin at first incurved. Gills at first adnexed or adnate, but readily separating. Most of the species are small; found in the summer; bright coloured, with violet tints.

* Gills whitish. Pileus somewhat fleshy, without striæ, not hygrophanous.

352.	<i>A. placidus, Fr.</i>	.	.	330
—	<i>A. lappula, Fr.</i>	.	.	—
353.	<i>A. lampropus, Fr.</i>	.	.	331
354.	{ <i>A. æthiops, Fr.</i>	.	.	332a
	{ <i>A. solstitialis, Fr.</i>	.	.	332b

**** Gills at first pale or darkish blue.**

355.	<i>A. serrulatus</i> , <i>Pers.</i>	.	.	333
356.	<i>A. euchrous</i> , <i>Pers.</i>	.	.	334
357.	<i>A. chalybeus</i> , <i>Pers.</i>	.	.	335
358.	<i>A. lazulinus</i> , <i>Fr.</i>	.	.	549

***** Gills dusky or becoming dark purple.**

No British species.

***.* Gills growing pallid, yellow, or greenish.**

359.	<i>A. incanus</i> , <i>Fr.</i>	.	.	336
—	<i>A. formosus</i> , <i>Fr.</i>	.	.	—
360.	" " var. <i>suavis</i> , <i>Lasch.</i>	.	.	488
361.	<i>A. chloropolius</i> , <i>Fr.</i>	.	.	337

***** Gills grey or glaucous. Hygrophanous. Pileus
** somewhat striate.**

—	<i>A. asprellus</i> , <i>Fr.</i>	.	.	—
—	<i>A. nefrens</i> , <i>Fr.</i>	.	.	—

Sub-Gen. 7. Molanea, *Fr.* Stem fistulose, rarely with a medullate tube, cartilaginous. Pileus rather membranaceous, campanulate, subpapillate, striate, or sometimes smooth, clad with flocci, margin straight, at first pressed to the stem, not involute; gills free or affixed, not decurrent. All grow on the ground.

*** Gills grey or dusky. Pileus dark, hygrophanous.**

362.	<i>A. pascuus</i> , <i>Pers.</i>	.	.	376
363.	{ <i>A. Babingtonii</i> , <i>B. & Br.</i>	.	.	377a
	{ <i>A. mammosus</i> , <i>Linn.</i>	.	.	377b
—	<i>A. juncus</i> , <i>Fr.</i>	.	.	—
—	<i>A. fulvo-strigosus</i> , <i>B & Br.</i>	.	.	—

**** Gills becoming yellowish or reddish.**

364.	{ <i>A. pisciodorus</i> , <i>Ces.</i>	.	.	378a
	{ <i>A. rufo-carneus</i> , <i>Berk.</i>	.	.	378b
365.	<i>A. icterinus</i> , <i>Fr.</i>	.	.	338

***.* Gills white, then rosy. Hygrophanous.**

366a.	<i>A. piceus</i> , <i>Kalch.</i>	.	.	379a
—	<i>A. infula</i> , <i>Fr.</i>	.	.	—

***.* Gills whitish. Pileus not hygrophanous.**

366b.	<i>A. caelestinus</i> , <i>Fr.</i>	.	.	379b
367.	{ <i>A. verecundus</i> , <i>Fr.</i>	.	.	340a
	{ <i>A. rubidus</i> , <i>Berk.</i>	.	.	340b

Sub-Gen. 8. Ecceilia, Fr. Stem cartilaginous, tubular (tube stuffed or hollow), expanded upwards into the rather membranaceous pileus; margin at first inflexed. Gills attenuated behind, truly decurrent.

* *Species indigenous.*

368.	{	<i>A. Parkensis, Fr.</i>	.	380a
		<i>A. carneo-griseus, B. & Br.</i>	.	380b
369.		<i>A. griseo-rubellus, Lasch.</i>	.	613a
—		<i>A. atrides, Lasch.</i>	.	—
—		<i>A. nigrella, Pers.</i>	.	—
370.	{	<i>A. atropunctus, Pers.</i>	.	343b
		<i>A. rhodocylix, Lasch.</i>	.	343a

** *Not truly indigenous.*

369b.	<i>A. flosculus, Smith</i>	.	613b
369c.	<i>A. acus, Smith</i>	.	613c

Sub-Gen. 9. Claudopus, Smith. Pileus excentric, lateral, or resupinate.

371.	{	<i>A. variabilis, Pers.</i>	.	344a
		<i>A. depluens, Batsch.</i>	.	344b
		<i>A. byssisedus, Pers.</i>	.	344c

Sect. C. *Dermini.* Spores rust-coloured, clay-coloured, tawny, or yellowish.

Sub-Gen. 1. Acetabularia, Berk. Universal veil distinct from the pileus. Hymenophore distinct from the stem. Gills free. Spores pale tawny or brown.

372.	<i>A. acetabulosus, Sow.</i>	.	345
------	------------------------------	---	-----

Sub-Gen. 2. Pholiota, Fr. Partial veil forming a ring.

A. HUMIGENI. Terrestrial, rarely caespitose.

* EUDERMINI. Spores ferruginous.

373.	<i>A. aureus, Vahl.</i>	.	346
—	" " v. <i>VahlII, Schum.</i>	.	—
374.	" " v. <i>Herefordiensis, Sow.</i>	.	347
375.	<i>A. caperatus, Pers.</i>	.	348
376.	<i>A. terrigenus, Fr.</i>	.	349
377.	<i>A. erebius, Fr.</i>	.	358
	(= <i>jecorinus, B. & Br.</i>)		
378.	<i>A. ombrophilus, Fr.</i>	.	359
379.	<i>A. togularis, Bull.</i>	.	350

** PHÆOTI. Spores dusky, ferruginous.

380.	<i>A. durus, Bolt.</i>	.	428
381.	<i>A. præcox, Pers.</i>	.	360

B. YERSINIA. Growing on wood or trunks;
then *conspicua*.

- * **YERSINIA.** Plants naked, not squamose, but
sometimes cracked. Gills pallid, becoming ru-
fous or dusky.

332.	<i>A. rufospora</i> , Berk.	.	361
333.	<i>A. rufospora</i> , Fr.	.	362
334.	<i>A. lechthioides</i> , Cooke	.	363
335.	<i>A. capistratus</i> , Cooke	.	364
336.	<i>A. asperata</i> , Fr.	.	453
337.	<i>A. lutea</i> , Fr.	.	365

- * **YERSINIA.** Plants scaly, not hygrophanous. Gills
becoming *encrusted*.

† Gills not purely ferruginous.

338.	<i>A. canospora</i> , Fr.	.	600
339.	<i>A. heteroclitus</i> , Fr.	.	366
340.	<i>A. asperata</i> , Berk.	.	351
341.	<i>A. squarrosus</i> , Mill.	.	367
342.	" " var. <i>Mulleri</i> , Fr.	.	471
343.	" " var. <i>verruculosus</i> , Laach	.	614
—	<i>A. sub-squarrosus</i> , Fr.	.	—

†† Gills yellow, then pure ferruginous or tawny.

394.	<i>A. spectabilis</i> , Fr.	.	352
395.	<i>A. stiposus</i> , Fr.	.	353
396.	<i>A. flammans</i> , Fr.	.	368
397.	<i>A. junonius</i> , Fr.	.	369
398.	{ <i>A. tuberculosus</i> , Fr.	.	370a
	{ <i>A. curvipes</i> , Fr.	.	370b
399.	<i>A. cruentatus</i> , Che. & Sm.	.	502

- *. * **HYGROPHANI.** Gills cinnamon.

—	<i>A. paxillus</i> , Fr.	.	—
400.	<i>A. dissimulans</i> , Berk.	.	371
401.	<i>A. Cookei</i> , Fr.	.	354
—	<i>A. confragosus</i> , Fr.	.	—
402.	<i>A. mutabilis</i> , Schaef.	.	355
403.	<i>A. marginatus</i> , Batech.	.	372
404.	{ <i>A. mustelinus</i> , Fr.	.	356a
	{ <i>A. unicolor</i> , Fl. Dan.	.	356b

C. MUSCIGERI. Hygrophanous. Analogous to
Galera, with a ring.

405.	{ <i>A. pumilus</i> , Fr.	.	503a
	{ <i>A. mycenoides</i> , Fr.	.	503b

Sub-Gen. 3. Inocybe, Fr. Universal veil fibrillose, concrete with the cuticle of the pileus; margin often free, and like a cobweb. Gills somewhat sinuate (but also adnate, and rarely decurrent), discoloured, not powdery. Spores often rough.

* **SQUARROSI.** Pileus squarrose from the first; stem scaly, of the same colour.

406.	<i>A. hystrix, Fr.</i>	.	424
—	<i>A. relicinus, Fr.</i>	.	—
407.	<i>A. calamistratus, Fr.</i>	.	389
408.	{ <i>A. lanuginosus, Bull.</i>	.	582a
	{ <i>A. dulcamarus, A. & S.</i>	.	582b
409.	{ <i>A. plumosus, Bolt.</i>	.	425a
	{ <i>A. cincinnatus, Fr.</i>	.	425b
410.	<i>A. hæmactus, B. & Cke.</i>	.	390

* **LACERI.** Pileus squamose or torn into fibrils (not cracked); stem coloured, paler than the pileus, and fibrillose.

411.	<i>A. pyriodorus, Pers.</i>	.	472
412.	<i>A. incarnatus, Bres.</i>	.	473
413.	<i>A. scaber, Mull.</i>	.	391
414.	<i>A. maritimus, Fr.</i>	.	392
415.	<i>A. lacerus, Fr.</i>	.	583
416.	<i>A. flocculosus, Berk.</i>	.	393
417.	<i>A. Bongardi, Weinm.</i>	.	381
418.	<i>A. muticus, Fr.</i>	.	382
419.	<i>A. carptus, Scop.</i>	.	426
420.	<i>A. deglubens, Fr.</i>	.	394
421.	<i>A. obscurus, Pers.</i>	.	427
422.	<i>A. echinatus, Roth.</i>	.	395
	(= <i>Hookeri, Kl.</i>)		

* **RIMOSI.** Pileus longitudinally fibrous, soon cracked, and sometimes adpressedly squamose; stem becoming whitish, slightly tinged with the colour of the pileus, fibrillose.

423.	<i>A. schistus, Cooke</i>	.	504
424.	<i>A. fibrosus, Sow.</i>	.	454
425.	<i>A. phæocephalus, Bull.</i>	.	396
426.	<i>A. fastigiatus, Schæff.</i>	.	388
427.	<i>A. hiuleus, Fr.</i>	.	397
428.	<i>A. Curreyi, Berk.</i>	.	398
429.	<i>A. rimosus, Bull.</i>	.	384
430.	<i>A. asterosporus, Quelet</i>	.	385
431.	<i>A. eutheles, B. & Br.</i>	.	386
432.	<i>A. margarisporea, Berk.</i>	.	505
433.	<i>A. destriatus, Fr.</i>	.	387
434.	<i>A. perbrevis, Weinm.</i>	.	519

SYSTEMATIC INDEX.

435. { *A. decussatus*, *Fr.* . . . 428
 { " var. *auricomus*, *Batsch.* —
 { *A. Trinii*, *Weism.* . . . 428

☞ **VELUTINI.** Pileus not rimose, cuticle interwoven, fibrillose, becoming smooth, or adpressedly squamose, disc even, stem polished, smooth, becoming whitish, mealy at the apex.

436. *A. sambucinus*, *Fr.* . . . 899
 437. *A. caesariatus*, *Fr.* . . . 388
 438. *A. sindonius*, *Fr.* . . . 400
 439. *A. lucifugus*, *Fr.* . . . 429a
 ——— *A. Clarkii*, *B. & Br.* . . . 429b
 440. *A. geophyllus*, *Sow.* . . . 401
 441. *A. scabellus*, *Fr.* . . . 402
 442. *A. Rennyi*, *B. & Br.* . . . 520

☞ **VISCID.** Pileus becoming smooth, viscid.

443. { *A. trechisporus*, *Berk.* . . . 403a
 { *A. vatricosus*, *Fr.* . . . 403b
 444. { *A. Whitei*, *B. & Br.* . . . 404a
 { *A. tricholoma*, *A. & S.* . . . 404b

Sub-Gen. 4. *Mobolema*, *Fr.* Partial veil fibrillose or obsolete. Stem fleshy, fibrous. Apex somewhat mealy. Pileus at first incurved at the margin. Gills sinuate, adnexed, edge more or less of a different colour, whitish. Cuticle of the pileus continuous, smooth, rather viscid. Spores clay-coloured.

* **INDUSIATI.** Cortinate by the manifest veil, which often renders the margin of the pileus superficially silky.

445. *A. mussivus*, *Fr.* . . . 405
 446. *A. fastibilis*, *Fr.* . . . 406
 447. *A. senescens*, *Batsch.* . . . 407
 448. *A. glutinosus*, *Lind.* . . . 430
 449. *A. testaceus*, *Batsch.* . . . 408
 450. *A. firmus*, *Pers.* . . . 409
 451. *A. claviceps*, *Fr.* . . . 410
 ——— *A. punctatus*, *Fr.* . . . —
 ——— *A. versipellis*, *Fr.* . . . —
 452. *A. mesophæus*, *Fr.* . . . 411
 453. " " var. *minor.* . . . 412
 454. *A. subcollariatus*, *B. & Br.* . . . 506

☞ **NUDATI.** Pileus smooth, cortinate, veil absent.

455. *A. sinapizans*, *Fr.* . . . 413

456.	<i>A. crustuliniformis</i> , <i>Bull.</i>	. 507
457.	„ „ var. <i>minor</i>	. 414
—	<i>A. elatus</i> , <i>Batsch.</i>	. —
458.	<i>A. longicaudus</i> , <i>Pers.</i>	. 415
459.	„ „ var. <i>radicatus</i> , <i>Cke.</i>	. 416
—	<i>A. lugens</i> , <i>Jungh.</i>	. —
460.	<i>A. truncatus</i> , <i>Schæff.</i>	. 417
461.	<i>A. nudipes</i> , <i>Fr.</i>	. 418
462.	<i>A. capnocephalus</i> , <i>Bull.</i>	. 419
463.	<i>A. ischnostylus</i> , <i>Cooke</i>	. 420

** **PUSILLI.** Pileus scarcely an inch broad.

464.	{ <i>A. magnimamma</i> , <i>Fr.</i>	. 508a
	{ <i>A. petiginosus</i> , <i>Fr.</i>	. 508b

Sub-Gen. 5. Flammula, *Fr.* Veil fibrillose, or wanting. Stem fleshy, fibrous, not mealy above. Pileus fleshy, margin at first involved (or folded in). Gills decurrent or adnate, without a sinus, commonly quite entire, of one colour.

* **GYMNOTI.** Veil none, pileus dry, often squamulose.

465.	<i>A. gymnopodius</i> , <i>Fr.</i>	. 431
466.	<i>A. vinosus</i> , <i>Bull.</i>	. 437
467.	{ <i>A. floccifer</i> , <i>B. & Br.</i>	. 438a
	{ <i>A. decipiens</i> , <i>Sm.</i>	. 438b
468.	<i>A. clitopilus</i> , <i>Cooke</i>	. 500

** **LUBRICI.** Pileus clad with a continuous, somewhat separable, smooth, viscid pellicle, veil manifest, fibrillose; spores ferruginous. Gregarious, terrestrial, rarely growing on wood.

469.	<i>A. lentus</i> , <i>Pers.</i>	. 439
470.	„ „ „ var.	. 440
—	<i>A. lubricus</i> , <i>Fr.</i>	. —
—	<i>A. lupinus</i> , <i>Fr.</i>	. —
471.	<i>A. mixtus</i> , <i>Fr.</i>	. 474
472.	<i>A. juncinus</i> , <i>Sm.</i>	. 475
473.	<i>A. gummosus</i> , <i>Lasch.</i>	. 441
474.	<i>A. spumosus</i> , <i>Fr.</i>	. 476
475.	<i>A. carbonarius</i> , <i>Fr.</i>	. 442

** **UDI.** Cuticle of the pileus continuous, not distinct or separable, smooth, after rain moist, or rather viscid; cortina manifest, appendiculate.

476.	<i>A. filius</i> , <i>Fr. Ic.</i>	. 432
477.	<i>A. fusus</i> , <i>Batsch.</i>	. 433
478.	„ „ variety	. 434
479.	<i>A. astragalinus</i> , <i>Fr.</i>	. 435
480.	<i>A. alnicola</i> , <i>Fr.</i>	. 443

481.	<i>A. flavidus</i> , <i>Schæff.</i>	.	.	444
482.	<i>A. inauratus</i> , <i>Sm.</i>	.	.	477
483.	<i>A. conissans</i> , <i>Fr.</i>	.	.	445
484.	<i>A. inopus</i> , <i>Fr.</i>	.	.	446
485.	<i>A. apicreus</i> , <i>Fr.</i>	.	.	436

*** **SAPINEI.** Pileus scarcely pelliculose (but the flesh is easily cut, or in the upper part torn into scales), not viscid (at first with a slight bloom), veil fibrillose, adpressed to the stem, not appendiculate, generally absent, or forming a ring round the stem. Subcæspitose, growing on conifers.

486.	<i>A. hybridus</i> , <i>Fr.</i>	.	.	615
487.	<i>A. sapineus</i> , <i>Fr.</i>	.	.	447
488.	<i>A. picreus</i> , <i>Fr.</i>	.	.	448

*** **SERICELLI.** Cortinate, cuticle of the pileus silky, dry, or at first viscid.

489.	<i>A. ochrochlorus</i> , <i>Fr.</i>	.	.	616
490.	{ <i>A. helomorphus</i> , <i>Fr.</i>	.	.	449 _a
	{ <i>A. scambus</i> , <i>Fr.</i>	.	.	449 _b
491.	<i>A. filiceus</i> , <i>Cooke</i>	.	.	450

Sub-Gen. 6. Naucoria, *Fr.* Veil none, or fugacious, squamulose. Stem cartilaginous, fistulose or spongy. Pileus more or less fleshy, convexo-plane or conical, margin at first inflexed. Gills free or adnate, not decurrent.

a. GYMNOTI. Pileus smooth. Veil none. Spores ferruginous, but not becoming dingy .

* *Gills free, or slightly adnexed.*

— —	<i>A. lugubris</i> , <i>Fr.</i>	.	.	— —
— —	<i>A. hamadryas</i> , <i>Fr.</i>	.	.	— —
492.	<i>A. cidaris</i> , <i>Pers.</i>	.	.	451
493.	<i>A. cucumis</i> , <i>Pers.</i>	.	.	452
494.	<i>A. anguineus</i> , <i>Fr.</i>	.	.	455
495.	{ <i>A. centunculus</i> , <i>Fr.</i>	.	.	601 _a
	{ <i>A. horizontalis</i> , <i>Fr.</i>	.	.	601 _b
	{ <i>A. rimulincola</i> , <i>Lasch.</i>	.	.	509 _b
496.	{ <i>A. semiflexus</i> , <i>B. & Br.</i>	.	.	509 _a
	{ <i>A. rubricatus</i> , <i>B. & Br.</i>	.	.	509 _c

** *Gills adnate, pileus convexo-plane.*

497.	<i>A. abstrusus</i> , <i>Fr.</i>	.	.	456
498.	{ <i>A. innocuus</i> , <i>Lasch.</i>	.	.	489 _a
	{ <i>A. cerodes</i> , <i>Fr.</i>	.	.	489 _b
499.	{ <i>A. melinoides</i> , <i>Fr.</i>	.	.	457 _a
	{ <i>A. pusiolus</i> , <i>Fr.</i>	.	.	457 _b

*** *Gills adnate, pileus campanulate, then expanded.*

500.	{ A. nucens, Bolt. .	. 490 a
	{ A. glandiformis, Smith .	. 490 b
501.	{ A. badipes, Pers. .	. 491 a
	{ A. scolecinus, Fr. .	. 491 b
502.	A. striæpes, Cooke .	. 478
503.	{ A. sideroides, Bull. .	. 458 a
	{ A. triscopius, Fr. .	. 458 b

b. **PHÆOTI.** Pileus naked, gills and spores dingy, ferruginous. Veil potential, but rarely manifest.

* **PEDIADEI.** *Growing in cultivated fields.*

504a.	A. vervacti, Fr. .	. 617a
505.	A. pediades, Fr. .	. 492
506.	A. arvalis, Sm. .	. 479
507.	{ A. semiorbicularis, Bull. .	. 493a
	{ A. tabacinus, D.C. .	. 493b

*** **SCORPIOIDEI.** *Growing in woods, and moist uncultivated places.*

504b.	A. tenax, Fr. .	. 617 b
508.	A. myosotis, Fr. .	. 494
509.	A. temulentus, Fr. .	. 459
510.	A. latissimus, Cke. .	. 482

c. **LEPIDOTI.** Pileus flocculose or squamulose. Veil manifest. Spores ferruginous.

* *Pileus clad with fugitive superficial scales.*

511.	A. porriginosus, Fr. .	. 510
512.	{ A. sobrius, Fr. .	. 511a
	{ „ „ var. dispersus, Pers. .	. 511b

*** *Pileus innate-squamulose.*

513.	{ A. erinaceus, Fr. .	. 480a
	{ A. siparius, Fr. .	. 480b
514.	{ A. conspersus, Fr. .	. 512a
	{ A. escharoides, Fr. .	. 512b

*** *Pileus destitute of scales, silky or atomate.*

515.	{ A. carpophilus, Fr. .	. 513a
	{ A. graminicola, Nees. .	. 513b

Sub-Gen. 7. Pluteolus, Fr. Pileus rather fleshy, viscid, conical or campanulate, then expanded, margin at first straight, adpressed to the stem. Stem somewhat cartilaginous, distinct from the hymenophore. Gills free, rounded behind.

516.	A. reticulatus, P. .	. 495
—	A. aleuriatus, Fr. .	. —

Sub-Gen. 8. Caloma, Fr. Veil none or fibrillose, stem somewhat cartilaginous, continuous with the hymenophore, filament. Pileus more or less membranaceous, conical or with some applanate surface, margin at first straight, recurved in the stem. Gills decurrent.

- * **CORYMBEAE.** Pileus conic-campanulate, hygrophanous, rarely even, aromatic when dry. Stem sessile, gills ascending. Veil none.

517.	<i>A. lateralis, Fr.</i>	.	460
518.	<i>A. tener, Scierf.</i>	.	461
519.	<i>A. vallis, Fr.</i>	.	462
520.	<i>(A. alpinus, Lach.</i>	.	463a
	<i>(A. exilis, Bolt.</i>	.	463b
521.	<i>(A. sticticus, Fr.</i>	.	481a
	<i>(A. synaeo-affinis, Fr.</i>	.	481b

- ** **BRYOIDEAE.** Pileus membranaceous, campanulate, striate, smooth, hygrophanous, when dry even, opaque, rather silky; stem thin, flexile; gills broad, adnate. Growing on moss.

522.	<i>(A. vitæformis, Fr.</i>	.	464a
	<i>(A. retiginosus, Pers.</i>	.	464b
523.	<i>A. hypnorum, Butsch.</i>	.	465
—	" " var. <i>bryorum.</i>	.	—
—	" " var. <i>sphagnorum.</i>	.	—
524.	<i>(A. mniophilus, Fr.</i>	.	466a
	<i>(A. minutus, Quel.</i>	.	466b

- ** **ERIODERMEE.** Pileus somewhat membranaceous.
* Veil manifest, superficial, fugitive, at first chiefly about the margin silky or squamulose.

525.	<i>(A. ravidus, Fr.</i>	.	467a
	<i>(A. mycenopsis, Fr.</i>	.	467b

Sub-Gen. 9. Tubaria, Smith. Stem subcartilaginous, fistulose. Pileus rather membranaceous, often clad with the floccose universal veil. Gills subdecurrent, broadest behind, triangular.

- * **GESUINI.** Spores ferruginous.

526.	<i>A. cupularis, Bull.</i>	.	602
527.	<i>A. furfuraceus, Pers.</i>	.	603
528.	" " var. <i>trigonophyllus, Fr.</i>	.	483
529.	<i>A. paludosus, Fr.</i>	.	484
530.	<i>A. stagninus, Fr.</i>	.	468
—	<i>A. pellucidus, Bull.</i>	.	—
531.	<i>(A. embolus, Fr.</i>	.	514a
	<i>(A. autochthonus, B. & Br.</i>	.	514b

** PHÆOTI. *Spores dusky ferruginous.*

532.	<i>A. crobulus</i> , <i>Fr.</i>	.	496
533.	<i>A. inquilinus</i> , <i>Fr.</i>	.	497
—	„ „ var. <i>ecbolus</i> , <i>Fr.</i>	.	—

Sub-Gen. 10. Crepidotus, *Fr.* Variable in size, irregular, without manifest veil. Pileus excentric, lateral, or resupinate. Spores ferruginous.

—	<i>A. palmatus</i> , <i>Bull.</i>	.	—
534.	<i>A. alveolus</i> , <i>Lasch.</i>	.	499a
535.	<i>A. mollis</i> , <i>Schæff.</i>	.	498
—	<i>A. applanatus</i> , <i>Pers.</i>	.	—
534b.	<i>A. calolepis</i> , <i>Fr.</i>	.	499b
536.	<i>A. haustellaris</i> , <i>Fr.</i>	.	515a
	<i>A. Phillipsii</i> , <i>B. & Br.</i>	.	515c
	<i>A. rubi</i> , <i>Berk.</i>	.	515b
	<i>A. chimonophilus</i> , <i>B. & Br.</i>	.	515a
537.	<i>A. Ralfsii</i> , <i>B. & Br.</i>	.	516d
	<i>A. epibryus</i> , <i>Fr.</i>	.	516c
	<i>A. pezizoides</i> , <i>Nees.</i>	.	516d
	<i>A. epigæus</i> , <i>Pers.</i>	.	516a

Sect. D. *Pratelli*. Spores blackish-purple or purplish-brown.

Sub-Genus 1. Psalliota, *Fr.* Stem annulate, distinct from the hymenophore. Gills free.

* EDULES. Large, fleshy.

538.	<i>A. angustus</i> , <i>Fr.</i>	.	521
539.	<i>A. elvensis</i> , <i>B. & Br.</i>	.	522
540.	<i>A. arvensis</i> , <i>Schæff.</i>	.	523
541.	„ var. <i>purpurascens</i> , <i>C.</i>	.	584
542.	<i>A. cretaceus</i> , <i>Fr.</i>	.	524
543.	<i>A. pratensis</i> , <i>Schæff.</i>	.	525
544.	<i>A. campestris</i> , <i>Linn.</i>	.	526
545.	„ var. <i>hortensis</i>	.	527
546.	{ „ var. <i>costatus</i>	.	528a
	{ „ var. <i>exannulatus</i>	.	528b
547.	„ var. <i>sylvicola</i> , <i>Vitt.</i>	.	529
548.	„ var. <i>villaticus</i> , <i>Brond.</i>	.	585
549.	<i>A. silvaticus</i> , <i>Schæff.</i>	.	530
550.	<i>A. hæmorrhoidarius</i> , <i>Kalch.</i>	.	531
551.	<i>A. subgibbosus</i> , <i>Fr.</i>	.	532

** MINORES. Pileus thinly fleshy.

552.	<i>A. comtulus</i> , <i>Fr.</i>	.	533
------	---------------------------------	---	-----

Sub-Gen. 2. Pileolace, Fr. Hymenophore distinct from the stem. Gills free, and at first remote from the stem. Without ring or volva.

553. *A. Algeriensis, Fr.* . . . 618

Sub-Gen. 3. Stropharia, Fr. Hymenophore continuous with the stem. Veil annulate, gills more or less adnate.

A. VISCIPELLES. Pileus with a smooth or squamose, often viscid pellicle.

* **Mundi.** *Not growing on dung.*

554. *A. Percevalii, B. & Br.* . . . 550
 555. *A. aeruginosus, Curt.* . . . 551
 556. *A. albo-cyanus, Desm.* . . . 552
 557. *A. inunctus, Fr.* . . . 554
 558. *A. coronillus, Bull.* . . . 555
 559. *A. melaspermus, Bull.* . . . 556
 560. *A. squamosus, Fr.* . . . 553
 561. *A. thraustus, Kalch.* . . . 554
 562. „ var. *aurantiacus, C.* 555
 563. *A. Worthingtonii, Fr.* . . . 556

** **Merdarii.** *Ring often incomplete.*

564. *A. luteo-nitens, Fr.* . . . 604
 565. *A. merdarius, Fr.* . . . 537
 566. *A. stercorarius, Fr.* . . . 538
 567. *A. semiglobatus, Batsch.* . . . 539

B. SPINTRIGERI. Pileus without pellicle, but innately fibrillose, not viscid.

568. *A. caput-medusæ, Fr.* . . . 540
 — *A. scobinaceus, Fr.* . . . —
 569. *A. Jerdoni, B. & Br.* . . . 541
 570. *A. spintriger, Fr.* . . . 542
 571. *A. hypsipus, Fr.* . . . 619

Sub-Gen. 4. Hypholema, Fr. Hymenophore continuous with the stem; veil interwoven in a web, adhering in fragments to the margin of the pileus. Pileus more or less fleshy; margin at first incurved. Gills adnate or sinuate.

* **FASCICULARES.** Pileus tough, smooth, bright-coloured when dry, not hygrophanous.

— *A. silaceus, Pers.* . . . —
 572. *A. sublateritius, Schaff* . . . 557
 573. „ var. *squamosus, C.* . . . 558
 „ var. *Schæfferi, Fr.* . . . —
 574. *A. capnoides, Fr.* . . . 559
 575. *A. epixanthus, Fr.* . . . 560
 576. *A. fascicularis, Huds.* . . . 561
 577. „ var. *elaeodes, Bull.* . . . 562
 578. *A. dispersus, Fr.* . . . 586

- ** VISCIDI.** Pileus ¹/₂ed, viscid.
 579. *A. œdipus*, *Cooke* . . . 587a
- * * VELUTINI.** Pileus silky, or virgate with innate fibrils.
 ——— *A. storea*, *Fr.* . . . ———
 580. „ var. *cæspitosus*, *C.* . 543
 581. *A. lacrymabundus*, *Fr.* . . 566
 582. *A. velutinus*, *Pers.* . . 563
 583. *A. pyrotrichus*, *Holms.* . . 564
- ** FLOCCULOSI.** Pileus clad with floccose, superficial evanescent scales.
 584. *A. cascus*, *Fr.* . . . 544
 579b. *A. punctulatus*, *Kalch.* . . 587b
- *** APPENDICULATI.** Pileus smooth, hygrophaneous.
 585. *A. lanaripes*, *Cooke* . . . 545
 586. *A. Candolleanus*, *Fr.* . . 546
 587. *A. appendiculatus*, *Bull.* . . 547
 588. *A. leucotephrus*, *B. & Br.* . 548
 589. { *A. egenulus*, *B. & Br.* . . 605a
 { *A. hydrophilus*, *Bull.* . . 605b

Sub-Gen. 5. Psilocybe, *Fr.* Veil not manifest, at least not interwoven. Stem rather cartilaginous, rigid or tough, tubular, hollow or stuffed, often rooting. Pileus more or less fleshy, smooth; margin at first incurved; gills becoming brownish or purplish.

A. TENACES. Veil accidental, rarely conspicuous; stem hard, flexible, often coloured; pileus pelliculose, often rather viscid when moist, growing pale.

* *Gills ventricose, not decurrent.*

590. *A. sarcocephalus*, *Fr.* . . . 567
 591. „ variety . . . 620
 592. *A. ericæus*, *Pers.* . . 568
 593. *A. subericæus*, *Fr.* . . 588
 594. *A. udus*, *Pers.* . . 569
 595. *A. canofaciens*, *Cooke* . . 621
 596. *A. areolatus*, *Klotsch.* . . 570
 597. *A. agrarius*, *Fr.* . . 622
 598. *A. scobicola*, *B. & Br.* . . 607
 599. *A. chondrodermus*, *B. & Br.* . 606a

** *Gills plane, very broad behind, subdecurrent.*

- 599b. *A. ammophilus*, *DR. & M.* . 606b
 600. { *A. coprophilus*, *Bull.* . . 608a
 { *A. bullaceus*, *Bull.* . . 608b
 601. { *A. physaloides*, *Bull.* . . 609a
 { *A. nucisedus*, *Fr.* . . 609b
 602. *A. atro-rufus*, *Schæff.* . . 571

* * Gills almost linear, ascending.

603. *A. comptus*, *Fr.* . . . 589a
 604. *A. semi-lanceatus*, *Fr.* . . . 572
 605. „ var. *cœrulescens*, *C.* 573

C. RIGIDI. Veil none. Stem rigid. Pileus scarcely pelliculose, but flesh easily cut, hygrophaneous. Gills adnexed, very rarely adnate.

606. *A. spadiceus*, *Fr.* . . . 610
 — „ var. *hygrophilus*, *Fr.* . —
 — „ var. *polycephalus*, *Fr.* . —
 607. *A. cernuus*, *Fl. Dan.* . . . 574
 603b. *A. hebes*, *Fr.* . . . 589b
 608. *A. fœnisecii*, *Pers.* . . . 590
 — *A. clivensis*, *B. & Br.* . . . —

Sub-Gen. 6. *Psathyra*, *Fr.* Veil none, or only universal, floccose-fibrillose. Stem rather cartilaginous, fistulose, polished, fragile. Pileus conical or campanulate, membranaceous. Margin at first straight, adpressed to the stem. Gills purplish or brownish. Slender, fragile, hygrophaneous.

* CONOPILEI. Pileus conic-campanulate. Gills ascending, adnexed, often free. Stem stiff, veil none.

609. *A. conopileus*, *Fr.* . . . 575
 610. { *A. mastiger*, *B. & Br.* . . . 591a
 { *A. glareosus*, *B. & Br.* . . . 591b
 611. *A. corrugis*, *Pers.* . . . 576
 612. „ var. *vinosus*, *Corda* . . . 592
 613. *A. pellosperrmus*, *Bull.* . . . 577

** OBTUSATI. Pileus campanulate-convex, flattened, smooth or atomate. Gills plane or arcuate adfixed; veil none.

614. *A. spadiceo-griseus*, *Schæff.* . . . 611
 615. *A. obtusatus*, *Fr.* . . . 593

* * FIBRILLOSI. Pileus and stem floccose or fibrillose from the universal veil.

616. { *A. bifrons*, *B. & Br.* . . . 594a
 { „ var. *semi-tinctus*, *Phil.* 594b
 617. *A. semi-vestitus*, *B. & Br.* . . . 578
 618. { *A. fatuus*, *Fr.* . . . 595a
 { *A. fibrillosus*, *Pers.* . . . 595b
 619. *A. helobius*, *Kalch.* . . . 579
 620. { *A. Gordoni*, *B. & Br.* . . . 580a
 { *A. pennatus*, *Fr.* . . . 580b
 621. { *A. gossypinus*, *Bull.* . . . 612a
 { *A. noli-tangere*, *Fr.* . . . 612b
 622. { *A. microrhizus*, *Lasch.* . . . 596a
 { *A. urticæcola*, *B. & Br.* . . . 596b

